

Table 287. Energy Consumption Estimates by Source, Selected Years 1960-1997, Vermont

Year	Coal ^a	Natural Gas ^b	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d	Biomass ^e	Other ^{a,f}	Net Inter-state Flow of Electricity/Losses ^g	Total ^h
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kero-sene ^a	LPG ^a	Lubri-cants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total					Million kWh	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh				Million kWh	
1960	137	0	224	19	2,958	82	819	404	70	3,332	478	46	8,431	0	938	-	-	128	-
1965	105	0	171	25	4,285	79	760	450	63	3,789	910	39	10,572	0	755	-	-	1,950	-
1970	87	3	271	14	5,741	121	502	542	66	5,077	905	45	13,285	0	835	-	-	5,662	-
1975	31	4	28	11	4,642	177	317	833	56	5,698	796	90	12,647	3,561	1,013	-	-	-4,571	-
1980	22	4	43	25	4,095	155	283	666	67	5,437	471	89	11,331	2,979	1,000	-	-	807	-
1985	80	5	330	22	4,193	201	577	791	61	5,813	122	75	12,183	2,999	1,243	-	-	-801	-
1986	26	5	419	27	3,974	133	380	867	60	5,966	471	81	12,377	2,058	2,715	-	-	-2,742	-
1987	12	5	491	21	4,369	181	316	1,101	68	6,530	338	87	13,502	3,536	3,272	-	-	-8,087	-
1988	11	6	396	17	4,670	143	455	1,157	65	6,797	238	88	14,026	4,114	3,700	-	-	-9,968	-
1989	9	6	453	17	4,628	220	362	1,504	67	6,554	192	87	14,085	3,607	NA	-	-	R -6,022	-
1990	8	7	27	15	4,045	180	223	1,401	69	6,696	241	86	12,982	3,616	NA	-	-	R -4,039	-
1991	12	7	527	15	4,258	162	274	1,634	62	6,772	265	0	13,970	4,108	NA	-	-	R -8,284	-
1992	20	8	335	15	4,993	116	230	1,912	63	6,879	280	0	14,823	3,735	NA	-	-	R -3,605	-
1993	6	7	31	12	5,357	124	277	1,641	64	7,096	480	0	15,082	3,372	NA	-	-	R -5,939	-
1994	5	7	230	11	5,064	138	213	1,663	67	7,154	286	0	14,827	4,316	NA	-	-	R -4,603	-
1995	3	7	253	12	5,352	127	204	1,673	66	7,211	218	0	15,116	3,859	NA	-	-	R -5,918	-
1996	2	7	290	10	5,859	99	239	1,794	64	7,331	287	0	15,973	3,799	NA	-	-	R -9,795	-
1997	2	8	792	12	5,521	106	282	1,812	67	7,606	330	0	16,529	4,267	NA	-	-	-10,229	-

Trillion Btu																			
1960	3.5	0.0	1.5	0.1	17.2	0.4	4.6	1.6	0.4	17.5	3.0	0.3	46.7	0.0	10.1	R 7.9	0.0	0.4	R 68.7
1965	2.7	0.0	1.1	0.1	25.0	0.4	4.3	1.8	0.4	19.9	5.7	0.2	59.0	0.0	7.9	R 6.9	0.0	6.7	R 83.2
1970	2.1	2.7	1.8	0.1	33.4	0.7	2.8	2.0	0.4	26.7	5.7	0.3	73.9	0.0	8.8	R 6.5	0.0	19.3	R 113.2
1975	0.7	4.0	0.2	0.1	27.0	1.0	1.8	3.1	0.3	29.9	5.0	0.5	68.9	39.2	10.5	R 6.6	0.0	-15.6	R 114.4
1980	0.5	4.0	0.3	0.1	23.9	0.9	1.6	2.4	0.4	28.6	3.0	0.5	61.6	32.5	10.4	R 13.5	0.0	2.8	R 125.2
1985	2.0	5.0	2.2	0.1	24.4	1.1	3.3	2.8	0.4	30.5	0.8	0.4	66.0	32.4	13.0	R 17.1	0.0	-2.7	R 132.7
1986	0.7	5.0	2.8	0.1	23.1	0.7	2.2	3.2	0.4	31.3	3.0	0.4	67.2	22.2	28.4	R 22.3	0.0	-9.4	R 136.3
1987	0.3	5.1	3.3	0.1	25.5	1.0	1.8	4.0	0.4	34.3	2.1	0.5	73.0	38.1	34.1	R 22.2	0.0	-27.6	R 145.2
1988	0.3	5.5	2.6	0.1	27.2	0.8	2.6	4.2	0.4	35.7	1.5	0.5	75.6	44.2	38.2	R 22.5	0.0	-34.0	R 152.2
1989	0.2	6.1	3.0	0.1	27.0	1.2	2.1	5.5	0.4	34.4	1.2	0.5	75.4	38.7	R 26.5	R 20.7	R 1(s)	R -20.5	R 151.9
1990	0.2	6.7	0.2	0.1	23.6	1.0	1.3	5.1	0.4	35.2	1.5	0.5	68.7	38.6	24.9	R 9.9	(s)	-13.8	R 136.7
1991	0.3	7.0	3.5	0.1	24.8	0.9	1.6	5.9	0.4	35.6	1.7	0.0	74.3	44.1	30.6	R 10.4	(s)	R -28.3	R 142.0
1992	0.5	7.6	2.2	0.1	29.1	0.6	1.3	6.9	0.4	36.1	1.8	0.0	78.5	39.9	28.5	R 11.1	(s)	-12.3	R 150.0
1993	0.1	7.2	0.2	0.1	31.2	0.7	1.6	5.9	0.4	37.3	3.0	0.0	80.3	36.0	34.8	R 12.7	(s)	-20.3	R 154.1
1994	0.1	7.3	1.5	0.1	29.5	0.8	1.2	6.0	0.4	37.6	1.8	0.0	78.9	46.1	20.5	13.1	(s)	-15.7	153.2
1995	0.1	7.2	1.7	0.1	31.2	0.7	1.2	6.1	0.4	37.9	1.4	0.0	80.5	41.1	27.6	R 14.2	(s)	-20.2	R 155.5
1996	(s)	7.4	1.9	0.1	34.1	0.6	1.4	6.5	0.4	38.5	1.8	0.0	85.2	40.4	41.0	R 14.7	(s)	-33.4	R 162.8
1997	0.1	8.2	5.3	0.1	32.2	0.6	1.6	6.6	0.4	40.0	2.1	0.0	88.7	45.3	32.1	14.3	(s)	-34.9	167.1

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^e "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

^f "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^g Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^h From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

kWh=kilowatt-hours. R=Revised data. - =Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 288. Residential Energy Consumption Estimates, Selected Years 1960-1997, Vermont

Year	Coal			Natural Gas ^b	Petroleum				Wood	Geothermal	Solar ^c	Electricity ^a	Net Energy	Electrical System Energy Losses ^d	Total
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total						Million Kilowatthours	
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels						Thousand Cords	Million Kilowatthours	Net Energy	
1960	0	46	46	0	2,044	701	258	3,003	R 173	-	-	451	-	1,121	-
1965	0	29	29	0	3,110	649	316	4,075	R 137	-	-	678	-	1,619	-
1970	0	17	17	1	3,873	436	356	4,665	R 105	-	-	1,216	-	2,947	-
1975	0	9	9	1	3,101	235	555	3,891	R 123	-	-	1,427	-	3,443	-
1980	0	7	7	1	2,171	230	356	2,757	R 160	-	-	1,781	-	4,331	-
1985	12	7	19	1	2,222	514	601	3,338	R 139	-	-	1,538	-	3,613	-
1986	(s)	6	6	2	1,848	291	607	2,746	R 136	-	-	1,156	-	2,659	-
1987	0	6	6	2	1,877	251	764	2,892	R 101	-	-	1,409	-	3,220	-
1988	0	5	5	2	1,941	308	906	3,155	R 105	-	-	1,572	-	3,554	-
1989	(s)	2	2	2	2,163	278	1,160	3,601	R 109	-	-	1,664	-	R 3,738	-
1990	0	4	4	2	1,930	193	1,109	3,232	99	-	-	1,809	-	3,956	-
1991	0	3	3	2	2,036	248	1,188	3,472	104	-	-	1,783	-	3,882	-
1992	0	4	4	3	2,191	210	1,424	3,825	110	-	-	1,927	-	4,116	-
1993	0	4	4	3	2,372	235	1,204	3,810	R 115	-	-	1,971	-	4,165	-
1994	2	0	2	2	2,168	183	1,227	3,578	R 113	-	-	2,009	-	4,193	-
1995	0	2	2	2	2,247	180	1,223	3,650	R 125	-	-	1,973	-	R 4,111	-
1996	0	1	1	3	2,402	203	1,314	3,919	R 125	-	-	2,006	-	R 4,175	-
1997	(s)	1	1	3	2,382	238	1,314	3,935	91	-	-	1,992	-	4,137	-

Trillion Btu

1960	0.0	1.1	1.1	0.0	11.9	4.0	1.0	16.9	R 3.5	0.0	0.0	1.5	R 23.0	3.8	R 26.9
1965	0.0	0.7	0.7	0.0	18.1	3.7	1.3	23.1	R 2.7	0.0	0.0	2.3	R 28.8	5.5	R 34.3
1970	0.0	0.4	0.4	1.1	22.6	2.5	1.3	26.4	R 2.1	0.0	0.0	4.1	R 34.1	10.1	R 44.1
1975	0.0	0.2	0.2	1.1	18.1	1.3	2.1	21.5	R 2.5	0.0	0.0	4.9	R 30.1	11.7	R 41.9
1980	0.0	0.1	0.1	1.3	12.6	1.3	1.3	15.3	R 3.2	0.0	0.0	6.1	R 26.0	14.8	R 40.7
1985	0.3	0.2	0.5	1.4	12.9	2.9	2.2	18.0	R 2.8	0.0	0.0	5.2	R 28.0	12.3	R 40.3
1986	(s)	0.1	0.2	1.6	10.8	1.6	2.2	14.6	R 2.7	0.0	0.0	3.9	R 23.0	9.1	R 32.1
1987	0.0	0.2	0.2	1.6	10.9	1.4	2.8	15.1	R 2.0	0.0	0.0	4.8	R 23.8	11.0	R 34.8
1988	0.0	0.1	0.1	1.8	11.3	1.7	3.3	16.4	R 2.1	0.0	0.0	5.4	R 25.8	12.1	R 37.9
1989	(s)	0.1	0.1	2.1	12.6	1.6	4.3	18.4	R 2.2	e 0.0	R e (s)	5.7	R e 28.5	R 12.8	R e 41.2
1990	0.0	0.1	0.1	2.1	11.2	1.1	4.0	16.4	2.0	0.0	(s)	6.2	26.7	13.5	40.2
1991	0.0	0.1	0.1	2.2	11.9	1.4	4.3	17.6	2.1	0.0	(s)	6.1	28.0	13.2	41.2
1992	0.0	0.1	0.1	2.5	12.8	1.2	5.2	19.1	2.2	0.0	(s)	6.6	30.5	14.0	44.5
1993	0.0	0.1	0.1	2.5	13.8	1.3	4.3	19.5	2.3	0.0	(s)	6.7	31.1	14.2	45.3
1994	(s)	0.0	(s)	2.4	12.6	1.0	4.5	18.1	R 2.3	0.0	(s)	6.9	29.7	14.3	44.0
1995	0.0	(s)	(s)	2.3	13.1	1.0	4.4	18.5	2.5	0.0	(s)	6.7	30.1	14.0	R 44.2
1996	0.0	(s)	(s)	2.6	14.0	1.2	4.7	19.9	2.5	0.0	(s)	6.8	31.8	14.2	46.1
1997	(s)	(s)	(s)	2.7	13.9	1.4	4.8	20.0	1.8	0.0	(s)	6.8	31.3	14.1	45.4

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 289. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Vermont

Year	Coal			Natural Gas ^b	Petroleum						Wood	Geothermal	Electricity ^a	Net Energy	Electrical System Energy Losses ^c	Total ^d		
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total							Thousand Cords	Million Kilowatthours
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels												
1960	0	30	30	0	418	43	46	127	225	859	R 3	-	233	-	580	-		
1965	0	19	19	0	636	40	56	24	422	1,177	R 3	-	303	-	723	-		
1970	0	12	12	1	792	27	63	25	414	1,320	R 2	-	609	-	1,475	-		
1975	0	6	6	1	634	15	98	30	373	1,149	R 2	-	709	-	1,710	-		
1980	0	4	4	1	620	44	63	33	237	996	R 4	-	923	-	2,244	-		
1985	22	5	27	2	530	36	106	40	24	735	NA	-	959	-	2,253	-		
1986	1	4	5	2	537	60	107	40	135	880	NA	-	995	-	2,290	-		
1987	0	4	4	2	652	33	135	41	92	952	NA	-	1,424	-	3,253	-		
1988	0	3	3	2	691	63	160	38	61	1,013	NA	-	1,499	-	3,389	-		
1989	(s)	2	2	2	722	58	205	36	84	1,105	NA	-	1,537	-	R 3,453	-		
1990	0	3	3	2	563	12	196	41	121	933	NA	-	1,526	-	3,339	-		
1991	0	2	2	2	700	15	210	27	131	1,084	NA	-	1,531	-	R 3,334	-		
1992	0	2	2	2	816	14	251	33	106	1,221	NA	-	1,574	-	3,361	-		
1993	0	2	2	2	746	34	212	6	174	1,173	R 9	-	1,614	-	3,409	-		
1994	3	0	3	3	770	19	217	7	87	1,099	R 9	-	1,622	-	3,385	-		
1995	0	1	1	3	670	14	216	7	72	978	R 9	-	1,647	-	R 3,431	-		
1996	0	1	1	3	807	13	232	7	74	1,133	R 10	-	1,696	-	3,530	-		
1997	(s)	1	1	3	877	21	232	7	113	1,249	9	-	1,759	-	3,654	-		
Trillion Btu																		
1960	0.0	0.8	0.8	0.0	2.4	0.2	0.2	0.7	1.4	4.9	R 0.1	0.0	0.8	R 6.6	2.0	8.5		
1965	0.0	0.5	0.5	0.0	3.7	0.2	0.2	0.1	2.7	6.9	R 0.1	0.0	1.0	R 8.5	2.5	10.9		
1970	0.0	0.3	0.3	0.6	4.6	0.2	0.2	0.1	2.6	7.7	(s)	0.0	2.1	R 10.7	5.0	15.7		
1975	0.0	0.1	0.1	0.8	3.7	0.1	0.4	0.2	2.3	6.6	(s)	0.0	2.4	10.0	5.8	R 15.9		
1980	0.0	0.1	0.1	0.8	3.6	0.2	0.2	0.2	1.5	5.7	R 0.1	0.0	3.1	R 9.9	7.7	R 17.6		
1985	0.5	0.1	0.7	1.6	3.1	0.2	0.4	0.2	0.1	4.0	NA	0.0	3.3	9.5	7.7	17.2		
1986	(s)	0.1	0.1	1.7	3.1	0.3	0.4	0.2	0.8	4.9	NA	0.0	3.4	10.1	7.8	17.9		
1987	0.0	0.1	0.1	1.8	3.8	0.2	0.5	0.2	0.6	5.3	NA	0.0	4.9	12.0	11.1	23.1		
1988	0.0	0.1	0.1	1.9	4.0	0.4	0.6	0.2	0.4	5.5	NA	0.0	5.1	12.7	11.6	24.2		
1989	(s)	(s)	(s)	2.1	4.2	0.3	0.8	0.2	0.5	6.0	NA	0.0	5.2	13.3	11.8	25.1		
1990	0.0	0.1	0.1	2.0	3.3	0.1	0.7	0.2	0.8	5.0	NA	0.0	5.2	12.3	11.4	23.7		
1991	0.0	0.1	0.1	2.0	4.1	0.1	0.8	0.1	0.8	5.9	NA	0.0	5.2	13.2	11.4	24.6		
1992	0.0	0.1	0.1	2.3	4.8	0.1	0.9	0.2	0.7	6.6	NA	0.0	5.4	14.3	11.5	25.8		
1993	0.0	0.1	0.1	2.4	4.3	0.2	0.8	(s)	1.1	6.4	R 0.2	0.0	5.5	R 14.6	11.6	R 26.2		
1994	0.1	0.0	0.1	2.7	4.5	0.1	0.8	(s)	0.5	6.0	R 0.2	0.0	5.5	R 14.4	R 11.6	R 26.0		
1995	0.0	(s)	(s)	2.7	3.9	0.1	0.8	(s)	0.5	5.2	R 0.2	0.0	5.6	R 13.7	11.7	R 25.5		
1996	0.0	(s)	(s)	2.9	4.7	0.1	0.8	(s)	0.5	6.1	R 0.2	0.0	5.8	R 15.0	12.0	R 27.0		
1997	(s)	(s)	(s)	3.1	5.1	0.1	0.8	(s)	0.7	6.8	0.2	0.0	6.0	16.1	12.5	28.6		

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

R=Revised data.

- =Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 290. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Vermont

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum									Hydro-electric Power ^b Million kWh	Wood and Waste	Other ^{b,d}	Electricity ^b		Electrical System Energy Losses ^e Million kWh	Total
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kero-sene ^b	LPG ^b	Lubri-cants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total				Million kWh	Net Energy		
			Thousand Barrels															
1960	41	0	224	234	75	99	2	0	252	46	931	64	-	-	191	-	474	-
1965	14	0	171	316	71	77	19	100	484	39	1,278	53	-	-	352	-	841	-
1970	3	1	271	463	39	121	17	68	466	45	1,489	62	-	-	787	-	1,907	-
1975	2	2	28	364	68	179	10	77	421	90	1,237	67	-	-	858	-	2,071	-
1980	2	2	43	501	9	245	15	19	235	89	1,155	70	-	-	1,247	-	3,032	-
1985	6	2	330	448	26	70	14	117	98	75	1,178	70	-	-	1,518	-	3,567	-
1986	3	2	419	504	30	143	14	120	336	81	1,645	70	-	-	1,576	-	3,625	-
1987	2	2	491	475	33	191	15	120	244	87	1,656	70	-	-	1,264	-	2,888	-
1988	3	2	396	578	84	79	15	123	177	88	1,541	70	-	-	1,345	-	3,040	-
1989	5	2	453	502	27	128	15	127	102	87	1,441	f NA	-	-	1,373	-	R 3,085	-
1990	1	2	27	466	17	85	16	81	116	86	895	NA	-	-	1,381	-	3,021	-
1991	7	2	527	447	11	226	14	88	131	0	1,444	NA	-	-	1,390	-	3,025	-
1992	14	2	335	508	6	226	14	90	169	0	1,349	NA	-	-	1,440	-	3,076	-
1993	0	2	31	511	8	217	14	76	306	0	1,163	NA	-	-	1,431	-	3,023	-
1994	0	2	230	347	12	199	15	84	199	0	1,085	NA	-	-	1,435	-	2,994	-
1995	0	2	253	317	10	220	15	89	146	0	1,050	NA	-	-	1,484	-	R 3,092	-
1996	0	2	290	331	22	231	14	90	213	0	1,193	NA	-	-	1,537	-	3,199	-
1997	0	2	792	356	23	251	15	95	217	0	1,750	NA	-	-	1,561	-	3,241	-

Trillion Btu

1960	1.1	0.0	1.5	1.4	0.4	0.4	(s)	0.0	1.6	0.3	5.5	0.7	R 4.4	0.0	0.7	R 12.4	1.6	R 14.0
1965	0.4	0.0	1.1	1.8	0.4	0.3	0.1	0.5	3.0	0.2	7.6	0.6	R 4.1	0.0	1.2	R 13.9	2.9	R 16.7
1970	0.1	1.1	1.8	2.7	0.2	0.5	0.1	0.4	2.9	0.3	8.8	0.6	R 4.3	0.0	2.7	R 17.6	6.5	R 24.1
1975	0.1	1.5	0.2	2.1	0.4	0.7	0.1	0.4	2.6	0.5	7.0	0.7	R 4.1	0.0	2.9	R 16.3	7.1	R 23.4
1980	(s)	1.6	0.3	2.9	0.1	0.9	0.1	0.1	1.5	0.5	6.3	0.7	R 9.7	0.0	4.3	R 22.7	10.3	R 33.0
1985	0.1	1.9	2.2	2.6	0.1	0.3	0.1	0.6	0.6	0.4	6.9	0.7	R 11.4	0.0	5.2	R 26.2	12.2	R 38.4
1986	0.1	1.7	2.8	2.9	0.2	0.5	0.1	0.6	2.1	0.4	9.7	0.7	R 18.7	0.0	5.4	R 36.2	12.4	R 48.6
1987	0.1	1.7	3.3	2.8	0.2	0.7	0.1	0.6	1.5	0.5	9.6	0.7	R 18.6	0.0	4.3	R 35.0	9.9	R 44.8
1988	0.1	1.7	2.6	3.4	0.5	0.3	0.1	0.6	1.1	0.5	9.1	0.7	R 19.3	0.0	4.6	R 35.5	10.4	R 45.9
1989	0.1	1.9	3.0	2.9	0.2	0.5	0.1	0.7	0.6	0.5	8.4	R f 1.2	R f 16.6	f 0.0	4.7	R f 32.8	10.5	R f 43.4
1990	(s)	1.9	0.2	2.7	0.1	0.3	0.1	0.4	0.7	0.5	5.0	1.5	R 7.0	0.0	4.7	R 20.1	10.3	R 30.4
1991	0.2	1.7	3.5	2.6	0.1	0.8	0.1	0.5	0.8	0.0	8.4	1.2	R 7.2	0.0	4.7	R 23.4	10.3	R 33.7
1992	0.4	1.9	2.2	3.0	(s)	0.8	0.1	0.5	1.1	0.0	7.7	1.2	R 7.9	0.0	4.9	R 24.0	10.5	R 34.5
1993	0.0	2.0	0.2	3.0	(s)	0.8	0.1	0.4	1.9	0.0	6.4	1.5	R 9.6	0.0	4.9	R 24.4	10.3	R 34.7
1994	0.0	2.0	1.5	2.0	0.1	0.7	0.1	0.4	1.2	0.0	6.1	1.5	R 9.9	0.0	4.9	R 24.4	10.2	R 34.7
1995	0.0	2.2	1.7	1.8	0.1	0.8	0.1	0.5	0.9	0.0	5.9	1.4	R 10.2	0.0	5.1	R 24.7	10.5	R 35.3
1996	0.0	2.0	1.9	1.9	0.1	0.8	0.1	0.5	1.3	0.0	6.7	R 1.9	R 10.6	0.0	5.2	R 26.4	10.9	R 37.3
1997	0.0	2.4	5.3	2.1	0.1	0.9	0.1	0.5	1.4	0.0	10.3	1.9	10.7	0.0	5.3	30.6	11.1	41.7

^a Includes supplemental gaseous fuels.

^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. --=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 291. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Vermont

Year	Coal ^a	Natural Gas ^b	Petroleum								Ethanol ^c	Electricity ^a	Net Energy	Electrical System Energy Losses ^d	Total ^c
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total				Million Kilowatthours	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours	Total ^c
1960	1	0	19	254	82	(s)	68	3,205	0	3,629	0	0	-	0	-
1965	(s)	0	25	185	79	1	44	3,665	0	4,000	0	0	-	0	-
1970	(s)	0	14	346	121	3	49	4,985	2	5,519	0	0	-	0	-
1975	(s)	0	11	504	129	1	45	5,591	2	6,284	0	0	-	0	-
1980	0	0	25	757	137	2	52	5,386	0	6,359	0	0	-	0	-
1985	0	(s)	22	959	201	13	47	5,656	0	6,898	0	0	-	0	-
1986	0	(s)	27	1,038	133	10	46	5,806	0	7,060	0	0	-	0	-
1987	0	0	21	1,295	181	11	52	6,369	2	7,931	0	0	-	0	-
1988	0	0	17	1,385	143	11	50	6,635	0	8,242	0	0	-	0	-
1989	0	(s)	17	1,191	220	11	52	6,391	7	7,888	^e 0	0	-	0	-
1990	0	(s)	15	1,079	180	11	53	6,574	3	7,915	0	0	-	0	-
1991	0	(s)	15	1,060	162	11	48	6,656	3	7,955	0	0	-	0	-
1992	0	(s)	15	1,470	116	11	49	6,756	4	8,420	0	0	-	0	-
1993	0	(s)	12	1,711	124	8	49	7,014	0	8,919	0	0	-	0	-
1994	0	(s)	11	1,756	138	21	52	7,064	0	9,042	0	0	-	0	-
1995	0	(s)	12	2,079	127	15	51	7,116	0	9,399	0	0	-	0	-
1996	0	(s)	10	2,303	99	16	49	7,234	0	9,712	0	0	-	0	-
1997	0	(s)	12	1,874	106	15	52	7,504	0	9,564	0	0	-	0	-

Trillion Btu															
1960	(s)	0.0	0.1	1.5	0.4	(s)	0.4	16.8	0.0	19.3	0.0	0.0	19.3	0.0	19.3
1965	(s)	0.0	0.1	1.1	0.4	(s)	0.3	19.3	0.0	21.2	0.0	0.0	21.2	0.0	21.2
1970	(s)	0.0	0.1	2.0	0.7	(s)	0.3	26.2	(s)	29.3	0.0	0.0	29.3	0.0	29.3
1975	(s)	0.0	0.1	2.9	0.7	(s)	0.3	29.4	(s)	33.4	0.0	0.0	33.4	0.0	33.4
1980	0.0	0.0	0.1	4.4	0.8	(s)	0.3	28.3	0.0	33.9	0.0	0.0	33.9	0.0	33.9
1985	0.0	(s)	0.1	5.6	1.1	(s)	0.3	29.7	0.0	36.9	0.0	0.0	36.9	0.0	36.9
1986	0.0	(s)	0.1	6.0	0.7	(s)	0.3	30.5	0.0	37.7	0.0	0.0	37.7	0.0	37.7
1987	0.0	0.0	0.1	7.5	1.0	(s)	0.3	33.5	(s)	42.5	0.0	0.0	42.5	0.0	42.5
1988	0.0	0.0	0.1	8.1	0.8	(s)	0.3	34.9	0.0	44.1	0.0	0.0	44.1	0.0	44.1
1989	0.0	(s)	0.1	6.9	1.2	(s)	0.3	33.6	(s)	42.2	^e 0.0	0.0	^e 42.2	0.0	^e 42.2
1990	0.0	(s)	0.1	6.3	1.0	(s)	0.3	34.5	(s)	42.3	0.0	0.0	42.3	0.0	42.3
1991	0.0	(s)	0.1	6.2	0.9	(s)	0.3	35.0	(s)	42.5	0.0	0.0	42.5	0.0	42.5
1992	0.0	(s)	0.1	8.6	0.6	(s)	0.3	35.5	(s)	45.1	0.0	0.0	45.1	0.0	45.1
1993	0.0	(s)	0.1	10.0	0.7	(s)	0.3	36.8	0.0	47.9	0.0	0.0	47.9	0.0	47.9
1994	0.0	(s)	0.1	10.2	0.8	0.1	0.3	37.1	0.0	48.6	0.0	0.0	48.6	0.0	48.6
1995	0.0	(s)	0.1	12.1	0.7	0.1	0.3	37.4	0.0	50.6	0.0	0.0	50.6	0.0	50.6
1996	0.0	(s)	0.1	13.4	0.6	0.1	0.3	38.0	0.0	52.4	0.0	0.0	52.4	0.0	52.4
1997	0.0	(s)	0.1	10.9	0.6	0.1	0.3	39.4	0.0	51.4	0.0	0.0	51.4	0.0	51.4

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 292. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Vermont

Year	Coal			Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total						
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels								
1960	19	0	19	0	1	8	0	9	0	873	0	0	0	-
1965	43	0	43	0	3	38	0	42	0	702	0	0	0	-
1970	55	0	55	0	23	268	0	291	0	773	0	0	0	-
1975	13	0	13	1	(s)	86	0	87	3,561	946	0	0	0	-
1980	9	0	9	(s)	0	63	0	63	2,979	930	49	0	0	-
1985	28	0	28	(s)	0	34	0	34	2,999	1,173	280	0	0	-
1986	12	0	12	(s)	0	46	0	46	2,058	2,645	85	0	0	-
1987	0	0	0	0	0	71	0	71	3,536	3,202	156	0	0	-
1988	0	0	0	0	0	75	0	75	4,114	3,630	100	0	0	-
1989	0	0	0	(s)	0	50	0	50	3,607	^R 2,426	184	0	0	-
1990	0	0	0	1	0	8	0	8	3,616	2,249	94	0	0	-
1991	0	0	0	1	0	15	0	15	4,108	2,813	109	0	0	-
1992	0	0	0	1	0	8	0	8	3,735	2,643	92	0	0	-
1993	0	0	0	(s)	0	17	0	17	3,372	3,232	64	0	0	-
1994	0	0	0	(s)	0	23	0	23	4,316	1,839	72	0	0	-
1995	0	0	0	(s)	0	39	0	39	3,859	2,540	127	0	0	-
1996	0	0	0	(s)	0	16	0	16	3,799	3,787	135	0	0	-
1997	0	0	0	(s)	0	31	0	31	4,267	2,936	150	0	0	-

Trillion Btu														
1960	0.5	0.0	0.5	0.0	(s)	(s)	0.0	0.1	0.0	9.4	0.0	0.0	0.0	10.0
1965	1.2	0.0	1.2	0.0	(s)	0.2	0.0	0.2	0.0	7.3	0.0	0.0	0.0	8.8
1970	1.4	0.0	1.4	0.0	0.1	1.6	0.0	1.7	0.0	8.1	0.0	0.0	0.0	11.2
1975	0.3	0.0	0.3	0.6	(s)	0.5	0.0	0.5	39.2	9.8	0.0	0.0	0.0	50.5
1980	0.2	0.0	0.2	0.2	0.0	0.4	0.0	0.4	32.5	9.7	0.5	0.0	0.0	43.5
1985	0.7	0.0	0.7	0.1	0.0	0.2	0.0	0.2	32.4	12.3	2.9	0.0	0.0	48.6
1986	0.3	0.0	0.3	(s)	0.0	0.3	0.0	0.3	22.2	27.6	0.9	0.0	0.0	51.3
1987	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	38.1	33.4	1.6	0.0	0.0	73.5
1988	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	44.2	37.5	1.0	0.0	0.0	83.1
1989	0.0	0.0	0.0	(s)	0.0	0.3	0.0	0.3	38.7	^R 25.3	1.9	0.0	0.0	71.2
1990	0.0	0.0	0.0	0.7	0.0	(s)	0.0	(s)	38.6	23.4	1.0	0.0	0.0	65.1
1991	0.0	0.0	0.0	1.1	0.0	0.1	0.0	0.1	44.1	^R 29.4	1.1	0.0	0.0	^R 79.3
1992	0.0	0.0	0.0	0.8	0.0	(s)	0.0	(s)	39.9	27.3	1.0	0.0	0.0	65.2
1993	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.1	36.0	33.3	0.7	0.0	0.0	73.5
1994	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	46.1	19.0	0.7	0.0	0.0	69.1
1995	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.2	41.1	26.2	1.3	0.0	0.0	73.9
1996	0.0	0.0	0.0	(s)	0.0	0.1	0.0	0.1	40.4	^R 39.1	1.4	0.0	0.0	88.5
1997	0.0	0.0	0.0	(s)	0.0	0.2	0.0	0.2	45.3	30.3	1.6	0.0	0.0	90.7

^a Includes supplemental gaseous fuels.

^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.

^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.

^e If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.

^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.

^g If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

^R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.